

40 CPU (linear-velocity acquisition unit, setting value determination unit, setting unit, and a part of recording unit)

## ABSTRACT

### OBJECT

5           The object of the invention is to provide a recording condition setting method which enables high-speed recording with stable recording quality and can suppress the increase of the cost and the enlargement of the optical disk device.

### CONSTITUTION

10           In a recording condition setting method, a plurality of setting values of record timing conditions for a number of group data conforming to a linear velocity of an optical disk at a record position on a recording surface of the optical disk rotated by a constant angular velocity (CAV) are acquired (step 557). And the  
15           plurality of setting values for the number of group data are set to the optical disk device one by one at the number of times (steps 559 to 567). Even if the recording speed is increased and the number of group data related to the record timing conditions are increased greatly when compared with the conventional disk device, the  
20           optimal recording conditions can be set up using the same composition as the conventional disk device.

### SELECTED DRAWING

FIG. 16